

◆ IPS 25-Agilent 3070 with integrated Board handling

The CRS-Test Handler is designed for the Test system Agilent 3070. It is equipped with the following functions and features:

- ✓ Probing up to 2000 Pins
- ✓ Double side probing
- ✓ Test pad D > 0,7mm
- ✓ Dual stage fixtures
- ✓ Test jet application
- ✓ Short Wire fixture
- ✓ Easy and quick fixture change
- ✓ Compact Fixture Kit
- ✓ Integrated Barcode reader
- ✓ Easy maintenance for test system
- ✓ Pass – Fail sorting
- ✓ Integrated back transport of Fail-PCB to rework
- ✓ Operator Panel

The IPS 25 is specially designed for the Agilent 3070 Test System. The Test system is full integrated under a bridge construction.

Mode of Operation:

The PCB's are buffered on two separate conveyors with integrated barcode reader.

After reading the barcode, the board moves into the contact area. The contacting unit consists of a four spindle servo drive.



Test Handler Agilent 3070 with operator panel

The main advantages of the spindle servo drive is the free choice of the traverse path and the contacting speed depending on the PCB.

Furthermore is a multilevel contacting without extra costs possible.

The special fixture design offers the basis for many additional applications. For example both side contacting, test jet, alignment tools and many others.

After the Test the board moves to the next conveyor for the next process.

Additional options:

- ✓ PCB Turning unit
- ✓ Automated Pass marking with ink stamp
- ✓ Automated Pass marking with scratch
- ✓ X/Y-axis Pass marking
- ✓ Contact from topside with separate movement. No Pin contact from top before the board is in the exact position.

We test it



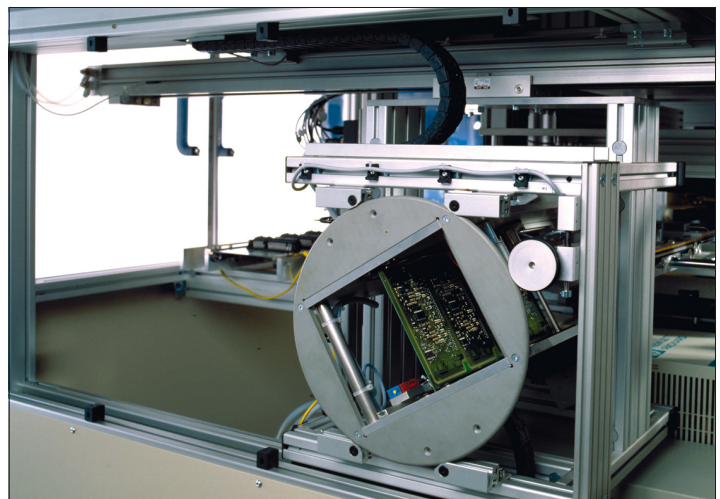
Test Handler Agilent 3070, Contact area with fixture

The communication between Test system and Test handler is via RS 232.

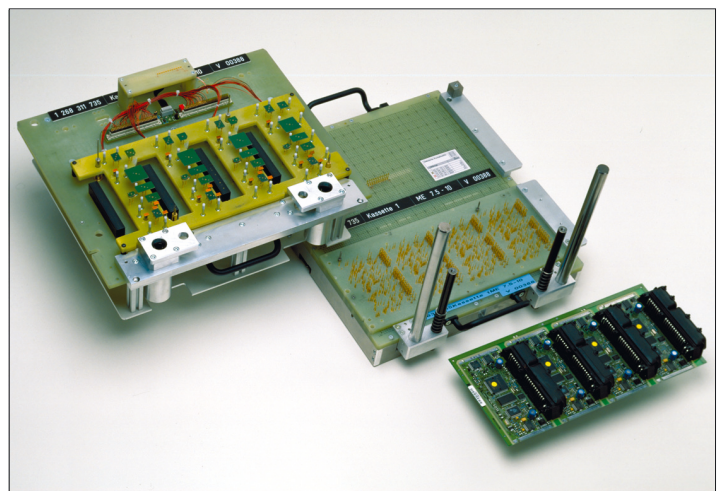
With the serial Interface have both components an ideal connection, which assures an easy and safe operation.

Technical Details:

Max. Dimensions PCB:	360 x 400 mm
Max. Components height:	50 mm
Max. Height solder side:	15 mm
PCB-Conveyor area:	2 x 3 mm
Distance tooling pin to the PCB-outlines:	4 mm + ½ d-Tooling pin
Testpad:	D > 0,7 mm
Grid:	≥ 1,27 mm (50 mil)
Testprobes:	Standardprobes for 100/75/50 mil Installation height 10 - 22 mm
Fixture:	- Agilent SimPlate Expresskit (without Vacuum tools) - CRS Upgrade kit
Max. Probeforce:	3500 N
Fixture drive:	4 point spindle, multilevel
PLC:	Siemens S7 Bosch CPS 21 with operator panel



Outlet area Test handler with Pass / Fail sorting
(Turning unit optional)



Fixture Agilent 3070, fixture bottom needle bed with open down holder plate

CRS Prüftechnik GmbH

D-88709 Meersburg

Torenstraße 15

Tel. +49(0)7532/47189 · Fax +49(0)7532/1654

Email info@crs-prueftechnik.de

www.crs-prueftechnik.de